CME Group

AutoCert+ EBS Spectrum Market Data (Conflated TCP) User Manual

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Getting Started

The AutoCert+ tool is an automated testing tool for validating application functionality. It provides an easy-to-use web interface for walking through CME Group certification scenarios.

To facilitate the process of connecting a customer application, CME Group provides a dedicated certification environment to allow customers to test their systems before they complete certification.

This Help system accompanies the AutoCert+ EBS Spectrum Market Data (Conflated TCP) test suite.

To run and navigate AutoCert+:

- 1. Log into the automated certification tool.
- 2. Review general AutoCert+ test suite navigation and general interview information.
- 3. Navigate to the AutoCert+ EBS Spectrum Market Data (Conflated TCP) test suite.

	Current	Testing Configuration	ion		
Tester: Company Name: Market: Purpose: Application System: Test Suite:		Ca 160	pe: itegory: 03: 04: 05:		
Sendercomp:	Select Sendercomp	P	est Suite Status: rre-Certification Interview: rest Suite Status:	Complete Not Tested	

- a. Select a Company Name.
- b. For Market, select EBS.
- c. For **Purpose**, select Market Data Conflated TCP.
- d. Select an Application System.
- e. For Test Suite, select EBS Spectrum Market Data.
- 4. Select a SenderComp and select ASSIGN.
- 5. Complete the Interview for this test suite.
- 6. Complete applicable test cases.
- 7. Complete the certification process from the Post Certification tab.

What's New

The list below illustrates the updates made to the AutoCert+ EBS Spectrum Market Data (Conflated TCP) Help system.

Date	Description
October 24, 2022	Website and PDF format changes only.
June 16, 2021	Initial release.

Interview

The interview consists of a series of questions about your trading application. Based on your responses, certain tests are required and others are optional. You must complete the pre-certification interview before running the test cases.

To complete the interview:

Answer each question and select " Complete" when finished.



Volume Weighted Average Price (VWAP) and Time Weighted Average Price (TWAP)

The purpose of this test is to verify that the client system can receive and process Volume Weighted Average Price (VWAP) and Time Weighted Average Price (TWAP) market data.



- 1. Select a SenderComp in the drop-down.
- 2. Select Assign.
- 3. From the **Contract** drop-down, choose the desired contract and click **Select**.

Step	s of the test: Volume Weighted Average Price (VWAP)	and Time Weighted Average	e Pric	e (TWAP	
This te	st could take up to several minutes. Please do not close the window during the test (Closina window/stopping test requires to re	run the t	est from step1	
Purpose					
The	The purpose of this test is to verify that the client system can receive and process Volume Weighted Average Price (VWAP) and Time Weighted Price (TWAP)				
Selec	ted Contract: GCUS1#_XAU/USD - 760 Unlock				
	Category	IP	Port		
	CME MDP Conflated TCP - Spectrum 10.210.245.177			9557	
	Category	Link			
	Templates File: templates_ <u>FixBinary.xr</u> TCP Session Management SBE Schema: templates_ <u>MdpSessionMgr</u>				
	: Press the Start Test button to start or restart a Test. Please do not press the S If you are currently running this test.	Start Test button		START TEST	
Des	ription		Flag	Status	
1	AutoCert to generate Volume Weighted Average Price (VWAP) and Time Weighted Average Price (TWAP). Please do not establish TCP MDP connectivity yet.		٠	Not Tested	
	Establish a TCP MDP connection and then submit a Market Data Request message			Not Tested	
2	Confirm Time Volume Weighted Average Price (VWAP) and Time Weighted Average Price (TWAP). Date/Time format should be entered as: YYYYMMDD hhmmss			Not Tested	
3	format should be entered as: YYYYMMDD hhmmss				

Note: Step 4 is only required for systems receiving Snapshot+Updates.

To run a Volume Weighted Average Price (VWAP) and Time Weighted Average Price (TWAP) test:

1. AutoCert+ generates a Volume Weighted Average Price (VWAP) and Time Weighted Average Price (TWAP).

Note: Please do not establish TCP MDP connectivity yet.

- 2. Establish a TCP MDP connection and then submit a Market Data Request (tag 35-MsgType=V) message.
- 3. Enter the following tag values to confirm that your application received and processed the Volume Weighted Average Price (VWAP) and Time Weighted Average Price (TWAP) market data. The Date/Time format should be entered as: YYYYMMdd hhmmss.
 - 270-VWAP MDEntryPx
 - 271-VWAP MDEntrySize
 - 273-VWAP MDEntryTime

- 270-VWAP MDEntryPx
- 271-VWAP MDEntrySize
- 273-VWAP MDEntryTime

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Note: The following step is only required for systems receiving Snapshot+Updates.

- 4. Enter the following tag values to confirm that your application received and processed the Volume Weighted Average Price (VWAP) and Time Weighted Average Price (TWAP) market data. The Date/Time format should be entered as: YYYYMMdd hhmmss.
 - 270-VWAP MDEntryPx
 - 271-VWAP MDEntrySize
 - 273-VWAP MDEntryTime
 - 270-VWAP MDEntryPx
 - 271-VWAP MDEntrySize
 - 273-VWAP MDEntryTime